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17 December 1965

Declass Review by NGA

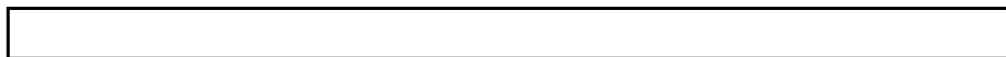
U. S. Government
Washington, D. C.

Attention: Contracting Officer

Subject: Contract 
Task Order No. 02(100,677)65-R

Enclosure: a) Prototype Modulated-Light Film Viewing
Tables Monthly Narrative Report-November 1965
Two (2) copies

Gentlemen:



forwards herewith Enclosure a) in accordance with the reporting requirements under Item 4 of subject contract task order.

By copy of this letter, we are forwarding (3) additional copies of the report to the Technical Representative.

Should you have any questions, or desire further information in this matter, please feel free to contact the undersigned.

Very truly yours,



DTC:jb

Contract Representative

cc: Technical Representative -
(w/enc. (3))


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PROTOTYPE MODULATED-LIGHT FILM VIEWING TABLES

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CONTRACT  TASK ORDER NO. 02(100.677)65-RMonthly Narrative Report - November 1965

This is the fifth of a series of monthly narrative reports on the development of two prototype modulated-light film viewing tables. With each table, photographic transparencies will be illuminated by a fast-moving spot of light whose intensity will be automatically varied to effect large-area contrast compression. At the option of the operator, the film will be viewed in either a direct or microscope mode. This report covers the work performed by the 

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 during the period from 22 October to 22 November 1965.

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A. Current Status of Work

Fabrication of the following mechanical items and sub-assemblies for Prototype I has begun: kinescope support and housing, gear train mechanism, film and diffuser drive, tilt table housing, and pantograph (microscope transport). All mechanical drawings, save those for some miscellaneous parts and items expected to be specified during electro-mechanical integration and test, have been completed. The parts to be purchased have been ordered, and most have been received.

Fabrication of all the electronic sub-assemblies except those related to electro-mechanical interfaces has been completed, and checkout is nearly completed. Work on the system interfaces, especially those reflected in the control panel, is continuing. Tasks pertaining to the electronic sub-assemblies for Prototype II are being performed concurrently with those cited for Prototype I.

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B. Problem Areas Encountered

No critical engineering problem areas were encountered during the monthly period. However, efforts were directed toward the achievement of solutions to problems normally associated with the development of prototype equipment.

C. Projected Work for Next Monthly Period

The PERT schedule for the first prototype modulated-light film-viewing table has been revised to reflect the status of work at the end of the monthly period. The major tasks and corresponding dates are as follows:

<u>Tasks</u>	<u>Dates</u>
Mechanical Sub-Assembly Completion	
Kinescope Support and Housing	1 December
Gear Train Mechanism	1 December
Film and Diffuser Drive	1 December
Tilt Table Base Plate and Housing	1 December
Microscope and Pantograph	4 December
Electronic Sub-Assembly Completion	1 December
Electro-Mechanical Integration	2-10 December
Electro-Mechanical Test	10-17 December
Quality Control Checkout	17 December
Prel. Instruction and Maintenance	
Manual Completion	17 December
Pre-Delivery Inspection (by Tech. Rep.)	17 December
Prototype I and Preliminary Manual	
Shipment	18 December.

A PERT schedule for the second prototype table (and Final Instruction and Maintenance Manual) will also be completed during the next monthly period. It should be noted that work on Prototype II is being performed concurrently with work on Prototype I.

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D. Status of Fund Expenditures to End of Monthly Period

Funds expended at break-even level to 28 November 1965:


July
August
September
October
November



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E. Documentation of Verbal Commitments and/or Agreements During the Period

1. The Technical Representative will forward a 500-foot (or 250-foot) roll of 9-inch film, containing low-resolution imagery, plus a take-up reel for viewing table test and checkout. The film should not be damaged by project personnel.

2. It is anticipated that pre-delivery inspection of Prototype I will be performed by the Technical Representative on or about 17 December 1965, at the  To facilitate inspection, project personnel will prepare an engineering installation sheet defining acceptance test procedures.

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3. The Preliminary and Final Instruction and Maintenance Manuals will specifically identify the long-lead equipment items and any items which have bad histories.